

VIA HAND DELIVERY SEPTEMBER 13, 2004

B/A  
[Handwritten signature]

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Ruben et al. (As Amended)

Docket No.: PZ007G62YP1D1

Application No.: 10/004,860 ✓

Confirmation No.: 8803

Filed: December 7, 2001

Art Unit: 1653

For: Secreted Protein HEMAE80 (as amended)

Examiner: R.A. Wax

**SECOND REQUEST FOR AMENDMENT**  
**UNDER 37 C.F.R. §§ 1.312 AND 1.48(b)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Prior to issuance of the above-captioned application as a United States Patent, Applicants respectfully request consideration and entry of the present amendment (submitted after allowance pursuant to 37 C.F.R. §1.312) to correct inventorship pursuant to 37 C.F.R. § 1.48(b) (Non-provisional application – fewer inventors due to amendment or cancellation of claims). Applicants submit concurrently herewith: (a) Supplemental Application Data Sheet (to reflect the requested amendment of inventorship (see below)); (b) copy of Corrected Filing Receipt showing requested changes in red; and, (c) Fee Transmittal (in duplicate, with fee required under 37 C.F.R. § 1.48(b)(2)).

The allowed claims in the present application are drawn to HEMAE80 protein embodiments (i.e., SEQ ID NO:310 and HEMAE80 protein encoded by ATCC® Deposit Nos. 97975). In this regard, the undersigned has been informed that the inventive entity of the subject matter encompassed by the claims is: Craig A. Rosen, Steven M. Ruben, and Paul A. Moore. Accordingly, Applicants request that the presently pending application be amended to show the above three persons as inventors. Thus, please remove the following names from the list of inventors:

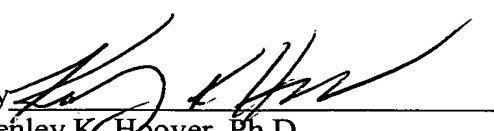
Paul Young;  
John M. Greene;  
Ann M. Ferrie;  
Jing-Shan Hu;  
Henrik S. Olson;

Reinhard Ebner;  
Laurie A. Brewer;  
Yanggu Shi;  
Charles Florence;  
Kimberly Florence;  
David W. Lafleur;  
Jian Ni;  
Ping Fan;  
Ying-Fei Wei;  
Carrie L. Fischer;  
Daniel R. Soppet;  
Yi Li;  
Zhizhen Zeng;  
Hla Kyaw;  
Ping Feng;  
Patrick J. Dillon;  
Gregory A. Endress;  
Guo-Liang Yu; and  
Kenneth G. Carter.

Applicants respectfully request that the amendments made above be entered and made of record in the file history of the instant application prior to issuance as a United States Patent. Although no fee, in addition to that provided for above, is believed due for submission of this paper, should the Patent Office determine otherwise, please charge such fee to Applicant's Deposit Account No. 08-3425. The Patent Office is also authorized to credit any overpayment to Deposit Account No. 08-3425.

Dated: September 13, 2004

Respectfully submitted,

By   
Kenley K. Hoover, Ph.D.  
Registration No.: 40,302  
HUMAN GENOME SCIENCES, INC.  
14200 Shady Grove Road  
Rockville, Maryland 20850  
(301) 354-3932

KKH/PF/mr



## Supplemental Application Data Sheet

### Application Information

Application Type::	Regular
Subject Matter::	Utility
Sequence submission?::	Paper
Computer Readable Form (CRF)?::	No
Title::	<del>Human Secreted Proteins</del> <u>Secreted Protein</u> <u>HEMAE80</u>
Attorney Docket Number::	PZ007G62YP1D1
Small Entity?::	No
Petition included?::	No

### Applicant Information

Applicant Authority Type::	Inventor
Primary Citizenship Country::	US
Status::	<del>Full Capacity</del>
Given Name::	Paul
Family Name::	Young
City of Residence::	Gaithersburg
State or Province of Residence::	MD
Country of Residence::	US
Street of mailing address::	<del>122 Beckwith Street</del>
City of mailing address::	Gaithersburg
State or Province of mailing address::	MD
Country of mailing address::	US
Postal or Zip Code of mailing address::	20878

Applicant Authority Type::	Inventor
Primary Citizenship Country::	Germany
Status::	Full Capacity
Given Name::	John
Middle Name::	M.
Family Name::	Greene
City of Residence::	Gaithersburg
State or Province of Residence::	MD
Country of Residence::	US
Street of mailing address::	872 Diamond Drive
City of mailing address::	Gaithersburg
State or Province of mailing address::	MD
Country of mailing address::	US
Postal or Zip Code of mailing address::	20878

Applicant Authority Type::	Inventor
Primary Citizenship Country::	US
Status::	Full Capacity
Given Name::	Ann
Middle Name::	M.
Family Name::	Ferrie
City of Residence::	Painted Post
State or Province of Residence::	NY
Country of Residence::	US
Street of mailing address::	9364 Woodcrest Drive
City of mailing address::	Painted Post
State or Province of mailing address::	NY
Country of mailing address::	US
Postal or Zip Code of mailing address::	14870

Applicant Authority Type::	Inventor
Primary Citizenship Country::	US
Status::	Full Capacity
Given Name::	Steven
Middle Name::	M.
Family Name::	Ruben
City of Residence::	Olney
State or Province of Residence::	MD
Country of Residence::	US
Street of mailing address::	18528 Heritage Hills Drive
City of mailing address::	Olney
State or Province of mailing address::	MD
Country of mailing address::	US
Postal or Zip Code of mailing address::	20832

Applicant Authority Type::	Inventor
Primary Citizenship Country::	US
Status::	Full Capacity
Given Name::	Craig
Middle Name::	A.
Family Name::	Rosen
City of Residence::	Laytonsville
State or Province of Residence::	MD
Country of Residence::	US
Street of mailing address::	22400 Rolling Hill Lane
City of mailing address::	Laytonsville
State or Province of mailing address::	MD
Country of mailing address::	US
Postal or Zip Code of mailing address::	20882

Applicant Authority Type::	Inventor
Primary Citizenship Country::	China
Status::	Full Capacity
Given Name::	Jing-Shan
Family Name::	Hu
City of Residence::	Mountain View
State or Province of Residence::	CA
Country of Residence::	US
Street of mailing address::	550 Ortega Avenue #420
City of mailing address::	Mountain View
State or Province of mailing address::	CA
Country of mailing address::	US
Postal or Zip Code of mailing address::	94040

Applicant Authority Type::	Inventor
Primary Citizenship Country::	Denmark
Status::	Full Capacity
Given Name::	Henrik
Middle Name::	S.
Family Name::	Olsen
City of Residence::	Gaithersburg
State or Province of Residence::	MD
Country of Residence::	US
Street of mailing address::	182 Kendrick Place #24
City of mailing address::	Gaithersburg
State or Province of mailing address::	MD
Country of mailing address::	US
Postal or Zip Code of mailing address::	20878

Applicant Authority Type::	Inventor
Primary Citizenship Country::	Germany
Status::	Full Capacity
Given Name::	Reinhard
Family Name::	Ebner
City of Residence::	Gaithersburg
State or Province of Residence::	MD
Country of Residence::	US
Street of mailing address::	9906 Shelburne Terrace #316
City of mailing address::	Gaithersburg
State or Province of mailing address::	MD
Country of mailing address::	US
Postal or Zip Code of mailing address::	20878

Applicant Authority Type::	Inventor
Primary Citizenship Country::	US
Status::	Full Capacity
Given Name::	Laurie
Middle Name::	A.
Family Name::	Brewer
City of Residence::	St. Paul
State or Province of Residence::	MN
Country of Residence::	US
Street of mailing address::	410 Van Dyke St. Apt. 115
City of mailing address::	St. Paul
State or Province of mailing address::	MN
Country of mailing address::	US
Postal or Zip Code of mailing address::	55119

Applicant Authority Type::	Inventor
Primary Citizenship Country::	Great Britain
Status::	Full Capacity
Given Name::	Paul
Middle Name::	A.
Family Name::	Moore
City of Residence::	Germantown
State or Province of Residence::	MD
Country of Residence::	US
Street of mailing address::	19005 Leatherbark Drive
City of mailing address::	Germantown
State or Province of mailing address::	MD
Country of mailing address::	US
Postal or Zip Code of mailing address::	20874

<del>Applicant Authority Type::</del>	<del>Inventor</del>
<del>Primary Citizenship Country::</del>	<del>China</del>
<del>Status::</del>	<del>Full Capacity</del>
<del>Given Name::</del>	<del>Yanggu</del>
<del>Family Name::</del>	<del>Shi</del>
<del>City of Residence::</del>	<del>Gaithersburg</del>
<del>State or Province of Residence::</del>	<del>MD</del>
<del>Country of Residence::</del>	<del>US</del>
<del>Street of mailing address::</del>	<del>437 West Side Drive, Apt. 102</del>
<del>City of mailing address::</del>	<del>Gaithersburg</del>
<del>State or Province of mailing address::</del>	<del>MD</del>
<del>Country of mailing address::</del>	<del>US</del>
<del>Postal or Zip Code of mailing address::</del>	<del>20878</del>



Applicant Authority Type::	Inventor
Primary Citizenship Country::	US
Status::	Full Capacity
Given Name::	Charles
Family Name::	Florence
City of Residence::	Rockville
State or Province of Residence::	MD
Country of Residence::	US
Street of mailing address::	12805 Atlantic Avenue
City of mailing address::	Rockville
State or Province of mailing address::	MD
Country of mailing address::	US
Postal or Zip Code of mailing address::	20851

Applicant Authority Type::	Inventor
Primary Citizenship Country::	US
Status::	Full Capacity
Given Name::	Kimberly
Family Name::	Florence
City of Residence::	Rockville
State or Province of Residence::	MD
Country of Residence::	US
Street of mailing address::	12805 Atlantic Avenue
City of mailing address::	Rockville
State or Province of mailing address::	MD
Country of mailing address::	US
Postal or Zip Code of mailing address::	20851

Applicant Authority Type::	Inventor
Primary Citizenship Country::	US
Status::	Full Capacity
Given Name::	David
Middle Name::	W.
Family Name::	Lafleur
City of Residence::	Washington
State or Province of Residence::	DC
Country of Residence::	US
Street of mailing address::	3142 Quesada St. NW
City of mailing address::	Washington
State or Province of mailing address::	DC
Country of mailing address::	US
Postal or Zip Code of mailing address::	20015

Applicant Authority Type::	Inventor
Primary Citizenship Country::	China
Status::	Full Capacity
Given Name::	Jian
Family Name::	Ni
City of Residence::	Germantown
State or Province of Residence::	MD
Country of Residence::	US
Street of mailing address::	17815 Fair Lady Way Germantown, MD 20874
City of mailing address::	Germantown
State or Province of mailing address::	MD
Country of mailing address::	US
Postal or Zip Code of mailing address::	20874

Applicant Authority Type::	Inventor
Primary Citizenship Country::	China
Status::	Full Capacity
Given Name::	Ping
Family Name::	Fan
City of Residence::	Potomac
State or Province of Residence::	MD
Country of Residence::	US
Street of mailing address::	13 Lake Potomac Court
City of mailing address::	Potomac
State or Province of mailing address::	MD
Country of mailing address::	US
Postal or Zip Code of mailing address::	20854

Applicant Authority Type::	Inventor
Primary Citizenship Country::	China
Status::	Full Capacity
Given Name::	Ying-Fei
Family Name::	Wei
City of Residence::	Berkeley
State or Province of Residence::	CA
Country of Residence::	US
Street of mailing address::	242 Gravatt Dr.
City of mailing address::	Berkeley
State or Province of mailing address::	CA
Country of mailing address::	US
Postal or Zip Code of mailing address::	94705

Applicant Authority Type::	Inventor
Primary Citizenship Country::	US
Status::	Full Capacity
Given Name::	Carrie
Middle Name::	L.
Family Name::	Fischer
City of Residence::	Burke
State or Province of Residence::	VA
Country of Residence::	US
Street of mailing address::	5810 Hall Street
City of mailing address::	Burke
State or Province of mailing address::	VA
Country of mailing address::	US
Postal or Zip Code of mailing address::	22015

Applicant Authority Type::	Inventor
Primary Citizenship Country::	US
Status::	Full Capacity
Given Name::	Daniel
Middle Name::	R.
Family Name::	Soppet
City of Residence::	Centerville
State or Province of Residence::	VA
Country of Residence::	US
Street of mailing address::	15050 Stillfield Place
City of mailing address::	Burke
State or Province of mailing address::	VA
Country of mailing address::	US
Postal or Zip Code of mailing address::	22020

Applicant Authority Type::	Inventor
Primary Citizenship Country::	China
Status::	Full Capacity
Given Name::	Yi
Family Name::	Li
City of Residence::	Sunnyvale
State or Province of Residence::	CA
Country of Residence::	US
Street of mailing address::	990-6 Alpine Terrace
City of mailing address::	Sunnyvale
State or Province of mailing address::	CA
Country of mailing address::	US
Postal or Zip Code of mailing address::	94086

Applicant Authority Type::	Inventor
Primary Citizenship Country::	China
Status::	Full Capacity
Given Name::	Zhizhen
Family Name::	Zeng
City of Residence::	Lansdale
State or Province of Residence::	PA
Country of Residence::	US
Street of mailing address::	410 Shipwrighter Way
City of mailing address::	Lansdale
State or Province of mailing address::	PA
Country of mailing address::	US
Postal or Zip Code of mailing address::	19446

Applicant Authority Type::	Inventor
Primary Citizenship Country::	Myanmar
Status::	Full Capacity
Given Name::	Hla
Family Name::	Kyaw
City of Residence::	Frederick
State or Province of Residence::	MD
Country of Residence::	US
Street of mailing address::	520 Sugarbush Circle
City of mailing address::	Frederick
State or Province of mailing address::	MD
Country of mailing address::	US
Postal or Zip Code of mailing address::	21703

Applicant Authority Type::	Inventor
Primary Citizenship Country::	US
Status::	Full Capacity
Given Name::	Ping
Family Name::	Feng
City of Residence::	Gaithersburg
State or Province of Residence::	MD
Country of Residence::	US
Street of mailing address::	4 Relda Court
City of mailing address::	Gaithersburg
State or Province of mailing address::	MD
Country of mailing address::	US
Postal or Zip Code of mailing address::	20878

Applicant Authority Type::	Inventor
Primary Citizenship Country::	US
Status::	Full Capacity
Given Name::	Patrick
Middle Name::	J.
Family Name::	Dillon
City of Residence::	Carlsbad
State or Province of Residence::	CA
Country of Residence::	US
Street of mailing address::	1055 Snipe Court
City of mailing address::	Carlsbad
State or Province of mailing address::	CA
Country of mailing address::	US
Postal or Zip Code of mailing address::	92009

Applicant Authority Type::	Inventor
Primary Citizenship Country::	US
Status::	Full Capacity
Given Name::	Gregory
Middle Name::	A.
Family Name::	Endress
City of Residence::	Florence
State or Province of Residence::	MA
Country of Residence::	US
Street of mailing address::	408 Bridge Road
City of mailing address::	Florence
State or Province of mailing address::	MA
Country of mailing address::	US
Postal or Zip Code of mailing address::	01062

Applicant Authority Type::	Inventor
Primary Citizenship Country::	US
Status::	Full Capacity
Given Name::	Kenneth
Middle Name::	G.
Family Name::	Carter
City of Residence::	North Potomac
State or Province of Residence::	MD
Country of Residence::	US
Street of mailing address::	11600 Brandy Hall Lane
City of mailing address::	North Potomac
State or Province of mailing address::	MD
Country of mailing address::	US
Postal or Zip Code of mailing address::	20878

### Correspondence Information

Correspondence Customer Number:: 22195

### Representative Information

Representative Customer Number:: 22195

### Domestic Priority Information

Application::	Continuity Type::	Parent Application::	Parent Filing Date::
This Application	Division of	09/205,258	12/04/98
09/205,258	Continuation-in-part of	PCT/US98/11422	06/04/98
PCT/US98/11422	Non- Provisional of	60/048,885	06/06/97
PCT/US98/11422	Non- Provisional of	60/049,375	06/06/97
PCT/US98/11422	Non- Provisional of	60/048,881	06/06/97
PCT/US98/11422	Non- Provisional of	60/048,880	06/06/97



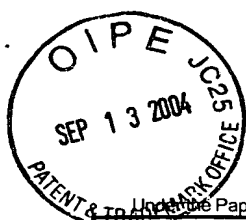
PCT/US98/11422	Non- Provisional of	60/048,896	06/06/97
PCT/US98/11422	Non- Provisional of	60/049,020	06/06/97
PCT/US98/11422	Non- Provisional of	60/048,876	06/06/97
PCT/US98/11422	Non- Provisional of	60/048,895	06/06/97
PCT/US98/11422	Non- Provisional of	60/048,884	06/06/97
PCT/US98/11422	Non- Provisional of	60/048,894	06/06/97
PCT/US98/11422	Non- Provisional of	60/048,971	06/06/97
PCT/US98/11422	Non- Provisional of	60/048,964	06/06/97
PCT/US98/11422	Non- Provisional of	60/048,882	06/06/97
PCT/US98/11422	Non- Provisional of	60/048,899	06/06/97
PCT/US98/11422	Non- Provisional of	60/048,893	06/06/97
PCT/US98/11422	Non- Provisional of	60/048,900	06/06/97
PCT/US98/11422	Non- Provisional of	60/048,901	06/06/97
PCT/US98/11422	Non- Provisional of	60/048,892	06/06/97
PCT/US98/11422	Non- Provisional of	60/048,915	06/06/97
PCT/US98/11422	Non- Provisional of	60/049,019	06/06/97
PCT/US98/11422	Non- Provisional of	60/048,970	06/06/97
PCT/US98/11422	Non- Provisional of	60/048,972	06/06/97
PCT/US98/11422	Non- Provisional of	60/048,916	06/06/97
PCT/US98/11422	Non- Provisional of	60/049,373	06/06/97
PCT/US98/11422	Non- Provisional of	60/048,875	06/06/97
PCT/US98/11422	Non- Provisional of	60/049,374	06/06/97
PCT/US98/11422	Non- Provisional of	60/048,917	06/06/97
PCT/US98/11422	Non- Provisional of	60/048,949	06/06/97
PCT/US98/11422	Non- Provisional of	60/048,974	06/06/97
PCT/US98/11422	Non- Provisional of	60/048,883	06/06/97
PCT/US98/11422	Non- Provisional of	60/048,897	06/06/97
PCT/US98/11422	Non- Provisional of	60/048,898	06/06/97
PCT/US98/11422	Non- Provisional of	60/048,962	06/06/97
PCT/US98/11422	Non- Provisional of	60/048,963	06/06/97
PCT/US98/11422	Non- Provisional of	60/048,877	06/06/97
PCT/US98/11422	Non- Provisional of	60/048,878	06/06/97

PCT/US98/11422	Non- Provisional of	60/057,645	09/05/97
PCT/US98/11422	Non- Provisional of	60/057,642	09/05/97
PCT/US98/11422	Non- Provisional of	60/057,668	09/05/97
PCT/US98/11422	Non- Provisional of	60/057,635	09/05/97
PCT/US98/11422	Non- Provisional of	60/057,627	09/05/97
PCT/US98/11422	Non- Provisional of	60/057,667	09/05/97
PCT/US98/11422	Non- Provisional of	60/057,666	09/05/97
PCT/US98/11422	Non- Provisional of	60/057,764	09/05/97
PCT/US98/11422	Non- Provisional of	60/057,643	09/05/97
PCT/US98/11422	Non- Provisional of	60/057,769	09/05/97
PCT/US98/11422	Non- Provisional of	60/057,763	09/05/97
PCT/US98/11422	Non- Provisional of	60/057,650	09/05/97
PCT/US98/11422	Non- Provisional of	60/057,584	09/05/97
PCT/US98/11422	Non- Provisional of	60/057,647	09/05/97
PCT/US98/11422	Non- Provisional of	60/057,661	09/05/97
PCT/US98/11422	Non- Provisional of	60/057,662	09/05/97
PCT/US98/11422	Non- Provisional of	60/057,646	09/05/97
PCT/US98/11422	Non- Provisional of	60/057,654	09/05/97
PCT/US98/11422	Non- Provisional of	60/057,651	09/05/97
PCT/US98/11422	Non- Provisional of	60/057,644	09/05/97
PCT/US98/11422	Non- Provisional of	60/057,765	09/05/97
PCT/US98/11422	Non- Provisional of	60/057,762	09/05/97
PCT/US98/11422	Non- Provisional of	60/057,775	09/05/97
PCT/US98/11422	Non- Provisional of	60/057,648	09/05/97
PCT/US98/11422	Non- Provisional of	60/057,774	09/05/97
PCT/US98/11422	Non- Provisional of	60/057,649	09/05/97
PCT/US98/11422	Non- Provisional of	60/057,770	09/05/97
PCT/US98/11422	Non- Provisional of	60/057,771	09/05/97
PCT/US98/11422	Non- Provisional of	60/057,761	09/05/97
PCT/US98/11422	Non- Provisional of	60/057,760	09/05/97
PCT/US98/11422	Non- Provisional of	60/057,776	09/05/97
PCT/US98/11422	Non- Provisional of	60/057,778	09/05/97

PCT/US98/11422	Non- Provisional of	60/057,629	09/05/97
PCT/US98/11422	Non- Provisional of	60/057,628	09/05/97
PCT/US98/11422	Non- Provisional of	60/057,777	09/05/97
PCT/US98/11422	Non- Provisional of	60/057,634	09/05/97
PCT/US98/11422	Non- Provisional of	60/070,923	12/18/97
PCT/US98/11422	Non- Provisional of	60/092,921	07/15/98
PCT/US98/11422	Non- Provisional of	60/094,657	07/30/98

### **Assignee Information**

Assignee name::	Human Genome Sciences, Inc.
Street of mailing address::	9410 Key West Avenue
City of mailing address::	Rockville
State or Province of mailing address::	MD
Country of mailing address::	USA
Postal or Zip Code of mailing address::	20850



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

**TOTAL AMOUNT OF PAYMENT (\$)** 130.00

## Complete if Known

Application Number	10/004,860-Conf. #8803
Filing Date	December 7, 2001
First Named Inventor	Steven M. Ruben
Examiner Name	R. A. Wax
Art Unit	1653
Attorney Docket No.	PZ007G62YP1D1

## METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:

Deposit  
Account  
Number

08-3425

Deposit  
Account  
Name

Human Genome Sciences, Inc.

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments

☒ Charge any additional fee(s) or any underpayment of fee(s)

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	770	2001	385	Utility filing fee	
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	

**SUBTOTAL (1) (\$)** 0.00

### 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

		Extra Claims	Fee from below	Fee Paid
Total Claims	-20** =		x	
Independent Claims	-3** =		x	
Multiple Dependent				

Large Entity		Small Entity		Fee Description
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent claim, if not paid
1204	86	2204	43	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

**SUBTOTAL (2) (\$)** 0.00

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	210	Extension for reply within second month	
1253	950	2253	475	Extension for reply within third month	
1254	1,480	2254	740	Extension for reply within fourth month	
1255	2,010	2255	1,005	Extension for reply within fifth month	
1401	330	2401	165	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	290	2403	145	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,330	2453	665	Petition to revive - unintentional	
1501	1,330	2501	665	Utility issue fee (or reissue)	
1502	480	2502	240	Design issue fee	
1503	640	2503	320	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	130.00
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	770	2810	385	For each additional invention to be examined (37CFR 1.129(b))	
1801	770	2801	385	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify) 1504

\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3) (\$)** 130.00

## SUBMITTED BY

Name (Print/Type) Kenley K. Hoover

Registration No.  
(Attorney/Agent)

40,302

(Complete (if applicable))

Telephone (301) 610-5771

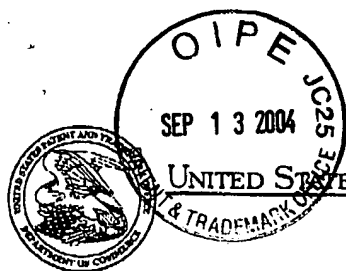
Signature

Date

September 13, 2004

09/14/2004 AAD0F01 00000002 083425 10004860

01 FC:1460 130.00 DA



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov

APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/004,860	12/07/2001	1653	2204	PZ007G62YP1D1		52	10

22195  
 HUMAN GENOME SCIENCES INC  
 INTELLECTUAL PROPERTY DEPT.  
 14200 SHADY GROVE ROAD  
 ROCKVILLE, MD 20850

CONFIRMATION NO. 8803  
 CORRECTED FILING RECEIPT  
 \*OC000000013604164\*  
 \*OC000000013604164\*

Date Mailed: 08/23/2004

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

Steven M. Ruben, Olney, MD;  
 Craig A. Rosen, Laytonsville, MD;  
 Paul A. Moore, Germantown, MD;  
~~Guo Liang Yu, Berkeley, CA;~~  
~~Kenneth C. Carter, North Potomac, MD;~~

## Assignment For Published Patent Application

Human Genome Sciences, Inc., Rockville, MD;

## Domestic Priority data as claimed by applicant

This application is a DIV of 09/205,258 12/04/1998 PAT 6,525,174  
 which is a CIP of PCT/US98/11422 06/04/1998  
 which claims benefit of 60/048,885 06/06/1997  
 and claims benefit of 60/049,375 06/06/1997  
 and claims benefit of 60/048,881 06/06/1997  
 and claims benefit of 60/048,880 06/06/1997  
 and claims benefit of 60/048,896 06/06/1997  
 and claims benefit of 60/049,020 06/06/1997  
 and claims benefit of 60/048,876 06/06/1997  
 and claims benefit of 60/048,895 06/06/1997  
 and claims benefit of 60/048,884 06/06/1997  
 and claims benefit of 60/048,894 06/06/1997  
 and claims benefit of 60/048,971 06/06/1997  
 and claims benefit of 60/048,964 06/06/1997  
 and claims benefit of 60/048,882 06/06/1997

and claims benefit of 60/048,899 06/06/1997  
and claims benefit of 60/048,893 06/06/1997  
and claims benefit of 60/048,900 06/06/1997  
and claims benefit of 60/048,901 06/06/1997  
and claims benefit of 60/048,892 06/06/1997  
and claims benefit of 60/048,915 06/06/1997  
and claims benefit of 60/049,019 06/06/1997  
and claims benefit of 60/048,970 06/06/1997  
and claims benefit of 60/048,972 06/06/1997  
and claims benefit of 60/048,916 06/06/1997  
and claims benefit of 60/049,373 06/06/1997  
and claims benefit of 60/048,875 06/06/1997  
and claims benefit of 60/049,374 06/06/1997  
and claims benefit of 60/048,917 06/06/1997  
and claims benefit of 60/048,949 06/06/1997  
and claims benefit of 60/048,974 06/06/1997  
and claims benefit of 60/048,883 06/06/1997  
and claims benefit of 60/048,897 06/06/1997  
and claims benefit of 60/048,898 06/06/1997  
and claims benefit of 60/048,962 06/06/1997  
and claims benefit of 60/048,963 06/06/1997  
and claims benefit of 60/048,877 06/06/1997  
and claims benefit of 60/048,878 06/06/1997  
and claims benefit of 60/057,645 09/05/1997  
and claims benefit of 60/057,642 09/05/1997  
and claims benefit of 60/057,668 09/05/1997  
and claims benefit of 60/057,635 09/05/1997  
and claims benefit of 60/057,627 09/05/1997  
and claims benefit of 60/057,667 09/05/1997  
and claims benefit of 60/057,666 09/05/1997  
and claims benefit of 60/057,764 09/05/1997  
and claims benefit of 60/057,643 09/05/1997  
and claims benefit of 60/057,769 09/05/1997  
and claims benefit of 60/057,763 09/05/1997  
and claims benefit of 60/057,650 09/05/1997  
and said PCT/US98/11422  
claims benefit of 60/057,584 09/05/1997  
and claims benefit of 60/057,647 09/05/1997  
and claims benefit of 60/057,661 09/05/1997  
and claims benefit of 60/057,662 09/05/1997  
and claims benefit of 60/057,646 09/05/1997  
and claims benefit of 60/057,654 09/05/1997  
and claims benefit of 60/057,651 09/05/1997  
and claims benefit of 60/057,644 09/05/1997  
and claims benefit of 60/057,765 09/05/1997  
and claims benefit of 60/057,762 09/05/1997  
and claims benefit of 60/057,775 09/05/1997  
and claims benefit of 60/057,648 09/05/1997  
and claims benefit of 60/057,774 09/05/1997  
and claims benefit of 60/057,649 09/05/1997  
and claims benefit of 60/057,770 09/05/1997  
and claims benefit of 60/057,771 09/05/1997  
and claims benefit of 60/057,761 09/05/1997  
and claims benefit of 60/057,760 09/05/1997  
and claims benefit of 60/057,776 09/05/1997  
and claims benefit of 60/057,778 09/05/1997  
and claims benefit of 60/057,629 09/05/1997  
and claims benefit of 60/057,628 09/05/1997  
and claims benefit of 60/057,777 09/05/1997  
and claims benefit of 60/057,634 09/05/1997

and claims benefit of 60/070,923 12/18/1997  
and claims benefit of 60/092,921 07/15/1998  
and claims benefit of 60/094,657 07/30/1998

**Foreign Applications**

**If Required, Foreign Filing License Granted:** 05/15/2002

**Projected Publication Date:** Not Applicable

**Non-Publication Request:** No

**Early Publication Request:** No

**Title**

SECRETED PROTEIN HEMAE80

**Preliminary Class**

435

---

**LICENSE FOR FOREIGN FILING UNDER  
Title 35, United States Code, Section 184  
Title 37, Code of Federal Regulations, 5.11 & 5.15**

**GRANTED**

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

**NOT GRANTED**

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months

has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).